

The Tech

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5 CENTS

Student Government Recommends Ending Institute Required ROTC

Compulsory ROTC for freshmen and sophomores, long a highly controversial subject, may soon be removed as a part of student life at the Institute. In a meeting Wednesday afternoon, Executive Committee approved a motion which makes several suggestions to the administration regarding this topic, one of which is that the compulsory nature of the system now in effect be dropped.

The original motion, which set the stage for the current developments, was made before Institute Committee by Arnold Amstutz '58 at last week's meeting. At that time the matter was turned over to Execomm, and full power was placed in this body. Now, having passed and fully approved the motion, Execomm wants a vote of confidence by Institute Committee before the matter is passed on to the administration.

The resolution, as it now stands, embodies five main points, among which are the following: Due to the present

Beer Softball Game On Tap For Sunday

As a final tuneup for their Olympic appearance next year, the Beer Softball team of *The Tech* will meet a local team scraped together by members of the Voo Doo staff this Sunday on Briggs Field. As in the past, the "humor" boys were unable to find enough drinkers or athletes on their staff and have had to recruit some of the looser moraled stars from the intramural leagues.

Riding high after last year's 13-12 victory, the journalists are confident of a repeat this year, although they have lost almost entirely all of last year's championship team. Mainstays who will be returning include "Chug" Holloway "Blazing Bob" Log-

(Continued on page 6)

EARC Sprints Tomorrow

Crews To Princeton, Washington

A whole year of work for the MIT freshmen comes to a climax of less than ten minutes this Saturday as the lightweights at Princeton and the heavies at Washington, compete in the Sprints, championship races of the Eastern Association of Rowing Colleges. Always a late starter because of inadequate winter facilities, MIT has the opportunity to avenge all earlier defeats in Saturday's competition against the best crews in the country.

In the varsity lightweight race, more than the national title is at

MIT Concert Band Will Perform Friday On Steps Of Kresge

The MIT Concert Band will make its last public appearance of the 1955-56 season tonight with a concert on the Kresge Auditorium Plaza. Being the first concert of any kind to be presented in the Plaza, this is quite an innovation musically and otherwise. The concert is to begin at 7:30 p.m. under the baton of Mr. John Corley the band's director.

Like all of the band's concerts the program consists only of works written by the band. All orchestral transcriptions are excluded from the band's repertoire. Tonight's concert features a trumpet solo by Darrol DeGonz, '57, playing Robert Russell Bennett's "Rose Variations". A second feature of the program will be the playing of a march (as yet without a name) by Morton Achter, '59, composer of the music from Tech Show "Djinn and Bitters".

In case of rain or cold weather the concert will be held in Kresge Auditorium. There is no admission charge and the concert is open to the public.

stake, as Tech must win tomorrow to secure Institute support for a return trip to England to defend the Henley Regatta title they have won two years in a row. Though they have improved every week the lights have finished second three straight times, but should be in top shape for tomorrow's race on Lake Carnegie over the Henley distance of one and 5/16 miles. The oarsmen have drawn Cornell and Columbia, the two teams they faced last week, in their trial heat. Winners in the three trials and the second closest boat qualify for the finals in the afternoon. Three returning lettermen, Co-captains "Buzz" Sawyer at 6 and Terry Carney at 2, plus Phil Kimball at 5 form the nucleus of the Engineers' boat. Soph Rod Rogers, holding down the important stroke position has shown improvement all season and is one of the main reasons for Tech's high hopes. Rounding out the boat are Jim Fleming at 7, Len Glaeser at 4, Carl Hellsten at 3, Mike Meyers at bow, and Al Phillippe at cox.

Heavies In Strong Heat

A long way from top form so far this year, the varsity heavyweights face strong competition in the form of Harvard and Princeton in their race over the Olympic distance of two thousand meters. Tech's sophomore studded crew under Capt. Paul Polishuk has yet to win a race this year, but have been only a few seconds off the pace each time. The JVs have drawn Harvard and Cornell in their heat while a shaken up frosh boat must face Syracuse, Rutgers, and Yale.

The frosh lights, most surprising boat of the year with two straight wins to its record, faces two boats they have already beaten, Harvard and Cornell, plus a good Penn boat. The JV lights had the roughest luck in the draw as they wound up facing the strong crews from Harvard and Penn.

Reactor Cost Is Set At Two Million; Unique Form For Medical Research

Plans for a nuclear reactor to be built in Cambridge by the Massachusetts Institute of Technology for research and education in peaceful uses of the atom have been approved by the Atomic Energy Commission, it was announced in Washington Monday.

A medical therapy room beneath the reactor, the first such arrangement in the United States, will make possible research and treatment of cancer of the brain, Dr. C. Richard Soderberg, dean of engineering at MIT, said. The reactor is designed to facilitate the training of urgently needed nuclear engineers and for scientific and industrial research.

"It will be used by students and professors from a greater number of departments than any other research facility at MIT. It will be the first reactor to be built in New England and can serve to advance New England activity in nuclear research and industrial development. Accessibility of the reactor to the Institute and to the medical and industrial center of the region is highly important."

The proposal for the reactor has been fully discussed with Governor Herter and officials of State Departments of Public Safety, Public Health, Labor and Industry and Civil Defense and with the Metropolitan District Commission. Application is to be made for a building permit from the city of Cambridge. Construction, by ACF Industries of New York, could start soon after the granting of a final permit. The cost is estimated more than \$2,000,000.

The Nuclear Engineering Program at MIT is headed by Dr. Manson Benedict, professor of nuclear engineering. Dr. Theos J. Thompson, who directed construction of a research reactor at Los Alamos for the AEC before coming to MIT is in charge of the project assisted by Thomas Cantwell, research associate.

One of the few reactors in the world designed for medical research, the MIT facility will be especially

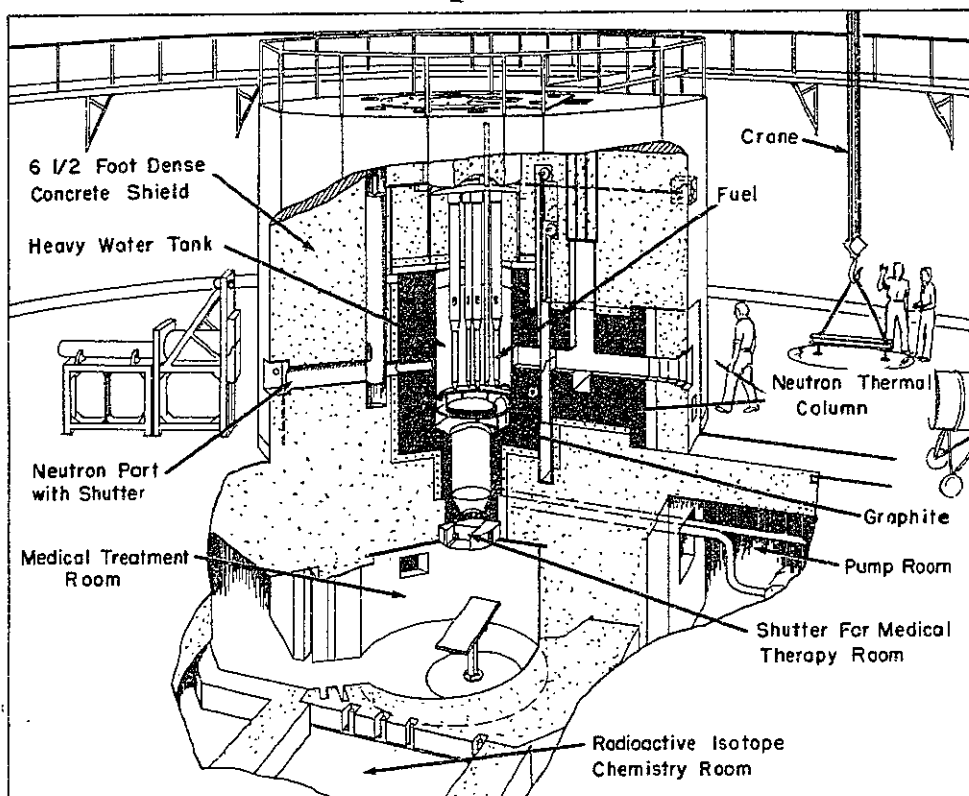
Pledge Problems Met By IFC Committee

Last Sunday the IFC Pledge Training Committee met with representatives of all fraternities on campus. This was the second of this type of meeting designed to stimulate thinking about pledge training. Representatives of the Institute at the meeting were Dean Fassett, Prof. Powell, and Dr. Shell.

During the first meeting which was held on April 22 general topics concerning pledge training were discussed. It was pointed out that the responsibility for pledge training rests with the whole group and not with the pledgemaister or any other person alone. It was stressed that a good example should be set by all and especially the seniors. Dean Fassett, Dr. Shell and Prof. Sheppard attended this meeting.

Specific points about pledge training were discussed at last Sunday's meeting. Some of them were the wise pledge and introvert, social life versus studying first term, manners, the big brother system, ways of getting a class united, and study conditions for freshmen.

Separate meetings with each house are being planned in order to evaluate the individual fraternity's pledge program. One or two faculty members will attend these meetings.



This is a cutaway drawing of the MIT Reactor. Beneath the reactor is the medical treatment room, with an operating table upon which a patient can be positioned. By opening a shutter, a beam of neutrons can be directed at the patient.

useful for a new treatment for cancer of the brain developed by Dr. W. H. Sweet and Dr. Gordon Brownell of Massachusetts General Hospital and Dr. Lee Farr of Brookhaven National Laboratory.

The reactor will have uses in many fields of science and technology, such as:

Experiments to determine effective methods of sterilizing foods, medical

supplies and other materials.

Studies of mechanical wear. Piston rings, for example, can be made radioactive and the rate at which they are worn in an engine can be determined with great precision. It is hoped that such studies will lead to improved metal alloys, better design and better lubrication.

Experiments on the structure of

(Continued on page 5)

Anthologist Turns Anthropologist; Poet Untermeyer Speaks In Kresge

Alternating recollections with wit, Post Louis Untermeyer condensed the life stories of twenty-odd "Makers of the Modern World" into a one-hour LSC lecture Tuesday evening at Kresge Auditorium. The subjects—scientists, statesmen, and striptease artists—were all selected from what Mr. Untermeyer described as "my latest, biggest, best, most expensive book . . . six dollars and fifty cents . . . on sale at your nearest hardware store."

The book deals with revolutionaries, "trouble-makers as well as makers," each of whom wrought some significant change in his particular field during the last century. Among Untermeyer's more obvious choices were Darwin, Pasteur, Stalin, Hitler and Roosevelt. Sigmund Freud, whose hundredth birthday has just past, was also mentioned: "He started a whole new vocabulary, a whole new literature . . . His discovery that the mind is a dynamo of the unconscious ranks with Harvey's discovery that the heart is a pump."

Modern writers, especially Walt Whitman, drew praise: "They have shown that nothing is commonplace." "Frank Lloyd Wright and other American architects," says Untermeyer, "have changed the face of the nation' from Civil War days when 'every building looked like the Parthenon struck by lightning.'"

It is among the women-folk that Mr. Untermeyer's broadmindedness in choosing his individuals is most evident. "The modern women," he says, "owes everything she has to Susan B. Anthony." But every piece of clothing that society allows her to take off, she owes to Isidore Duncan, a modern dancer who "made the

human body something to respect."

The one thing which Mr. Untermeyer says his subjects had in common was "the spirit of dissension." "They rebelled against conformity . . . Almost without exception their ideas were laughed at or called impossible . . . Many of them at one time were banned in Boston." But they are proof that, "the heresy of today is the credo of tomorrow."

Dance, Jazz Concert For Dorm Weekend

Tonight, a semi-formal dance will mark the beginning of Dorm Weekend. Other activities planned for the annual affair will include a jazz concert and a dance to be held on Saturday afternoon and evening respectively.

The dance this evening at Baker House, lasting from 8:30 to 1:00, will feature the music of Jerry Davis's Band and, at intermission, the singing of Warren More '58. Tickets may be purchased at the door for \$2.50. Cocktails will be served.

The jazz concert, to be held on Saturday in Baker House from 1 to 4, will star the St. James Society from Holy Cross and their Dixieland styling. The price of only 50c includes plenty of beer.

To conclude the week-end, the Festa del Vino will be held at Morriss Hall from 8 to 12 on Saturday night. Contrary to the name, the music will be in the popular style, presented by Jack Marshall's Orchestra. Intermission entertainment will be by the Logarithms. Tickets are \$1.50 apiece. Wine will be served.

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EDITORIALS

Reason For Failure

Vital to the success of any educational program is the ability of its teachers—yet all too often instructors on the college level have neither the interest in teaching nor the ability to present and explain material which can determine the success or failure of education. This problem is perhaps most crucial in a rigorous and demanding technical education.

The freshman year is often one of disappointment and disillusion as the entering student comes into contact with Institute instructors for the first time. Accustomed to secondary school instruction—where teaching is a profession not a sideline—he finds it difficult to learn from men who are scientists and engineers first and instructors often only a poor second.

Closely related to the teaching problem is the failure of the registration officer system. Ideally a faculty adviser, the registration officer often has neither the time, the interest or the inclination to be of real service to his charges. Unable to turn to the faculty adviser for help, the student becomes resentful of the impersonality of the system, loses some of his desire to learn. It is difficult to blame the registration officer—in many cases, he is forced to assume an added responsibility which he neither wants nor is able to perform.

Without Honor

Not unaware of these problems, the great majority of the faculty is continually striving to remedy the situation. They are, however, faced with a serious obstacle. Each member of the faculty has, of course, only a limited amount of time; and any time spent as a registration officer, a faculty resident or in instructing takes away from the time they have for research and study. The crux of the problem is that promotions are too often based solely upon research, too often upon the number of technical papers published. Interest in students and time spent in helping them is only a milestone that holds them back from deserved promotion.

Any college must attempt to gather as its faculty the outstanding men in its field, it must make its contributions in research—but it must not ignore its equally important obligation to its students. In selecting faculty and making promotions it must consider interest in the welfare of its students.

ivory tower

Who is envied by the freshmen, regarded with vicarious anticipation by the juniors, and caressed with a predatory eye by personnel managers? The Senior, of course!

It's a delightful sensation to be a senior. The heady wine of planning pours foaming into the receptive goblet of the future. Quizzes loom less forbidding, deadlines lose their productive terror. Mount Everest lies below one's feet and the world looks good. One even acquires a tinge of the golden and tender glow that the alumni feels for alma mater; the memory of the past wounds in the academic battle recedes into the forgetful past.

Of course, every silver lining has its cloud. One task remains and casts a threatening shadow on the senior's sunny countenance: the Thesis. Suddenly, the senior is unceremoniously pushed out of the well trodden path of the curriculum, and asked to be creative and original. A little icing on the scientific cake: an idea, a device, a design—maybe of small importance but still charged with all the mystique of creation.

The traditional way of dealing with a thesis is to postpone it. There are many hallowed formulas to accomplish this:

"... I'm too busy now ... I'll worry about it later ... I'll knock it off during Christmas vacation ... I'll knock it off during Easter vacation ... I'm getting panicky ... I'll start on it next week ..." Suddenly the end of the term is in sight, and the senior sits many a day and many a night, being creative as hell just before the bell. But that's the way it goes.

The Outside World

Then there is the wonderful feeling of being wanted. Maybe not by the world at large, but certainly by Industry. They come from all over the country, the smiling personnel men, like the slave merchants of old, to look over and appraise the merchandise. There are interviews every week, and the senior reluctantly shakes off the habits of four years, and shaves and puts on a tie and a jacket and his best Dale Carnegie manner. The personnel men smile, and talk locations, promotions, salaries, opportunity, glittering round figures. Later, over coffee, the seniors sit around and display figures like precious trophies: "I have an offer for \$420 ... he offered me 6000 ... right in California, man!"

Senior time is also a time of occasional soul searching and serious thought. What has one accomplished in college? Was it worth all the effort and work and good times foregone and postponed? What has one really gotten out of the Tech experience? The questions and the answers vary with each individual, yet a few generalizations stand out.

To this senior, the most important and lasting effect of the Institute lies not in the formal and academic knowledge and training acquired. Of course this part of our education is significant, it prepares us for our future career and studies, and gives us the tools with which to work and create and leave our mark upon the world. But the most important product of our education lies elsewhere, it is intangible, often below the surface of consciousness, and we will become aware of it not until much later in life. It consists of two parts, we shall call them *method* and *character*.

What do we mean by method? We mean that our method of approaching the world has undergone a change. The systematic, logical and disciplined approach to the problems of matter and mind cannot fail to leave a deep and lasting mark on the student. This analytical attitude transcends the solution of technical or engineering problems. It becomes applied to any other field or problem we have to face, be it political, social, human or other. We have learned not to approach a problem erratically or emotionally. The mind has been trained to perform that methodical jump towards initial perspective, and take a good look at the problem. What are the definitions? What are the questions involved? What are the empirical considerations? Is there proof for the assertions involved? Is the proof valid and logical? Thus, our whole thought process has become reorganized and reoriented. This is of tremendous importance in our world of today. So many issues are beclouded, so many men act on impulse and passion, so much truth is buried under dialectical covers. Our training and method will be an invaluable asset in such a world. We must have and use that tool of reason, for it is still man's best hope for a peaceful, happy and rational future.

A New Beginning

What do we mean by character? Many of us have come here straight from the comforting apron strings of mom, and also from the sweet and relaxed arms of the average high-school with its lack of demands upon the mind, its mental spoon feeding and its failure to develop decent working habits. For those of us, Tech has been a period of brutal weaning. Suddenly we were on our own. No parents to comfort us. No solicitous school-marm bent over our shoulders and cajoling homework out of her little darlings. Instead, the heavy mantle of responsibility was upon us, and there is only one way to bear it, and that is self discipline and character. Somehow the student learns to forego amusements if necessary, to open a book out of his own free will, to realize that his future is up to him. If old Kipling were still around, he might have added a few lines to his famous "If" poem:

IF you have learned to master your will
IF you have suffered through physics
IF you have conquered chemistry
IF you have survived the Boston weather
IF you have endured commons meals
IF you have resisted the pressures
IF you have met and defeated the exams
IF you have stumbled through sleepless nights
IF you have licked frustration and blues
IF you have nourished the bursar
AND ... written a thesis
THEN you will be Tech-man
THEN you will be a Man, my son.

And so the time has come to part. The author of this column regretfully puts down his three favorite tools: the camera, the barb, the flower. The camera: to record the many facets of the Tech scene. The barb: to criticize, because criticism is the leaven of society. The flower: to praise the praiseworthy. It has been fun writing it, and we hope some of you liked reading it. Au Revoir!

—Berthold Lippel '56

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Theatre Around Boston -- The Non-Professional Stage

Amateur Theatre--More Popular Now Than Ever Before; Most Active Troupes Outdo Professional Houses

The most entertaining productions of plays and musicals are usually professional. Entertaining theatre, however, is not assured by the mere fact that the cast is paid a professional salary; a brief glance at some of the expensive, much-heralded pre-Broadway openings of this past season suffices to show how *bad* a professional production can be. In the theatre, the important factors are talent, experience, and sincerity; if you look carefully, you can find them in theatres other than the Shuberts'. Non-professional companies, ranging from community theatre to resident acting troupe, provide a

steady stream of shows not to be seen in the downtown houses. Quality, like that of professionals, varies from show to show and company to company; quite naturally, producers of consistently good work are the schools and organizations providing the best leadership, the best facilities, and encouraging the greatest effort. Many of their productions are comparable to the highly publicized Boston openings, and yet most of us know so little about theatres outside the downtown area that we rarely think of going elsewhere. This, then, is an introduction to the more prominent.



A new play by a young author, "Play Street" by David Rayfiel
Photo courtesy Boston University

BU Newest Of Drama Schools

Only a year and a half old, the Theatre Division of Boston University's School of Fine and Applied Arts has already become known as a "professional" school. With some two hundred students in all fields, it offers a season of six or seven plays, handled by a large faculty (including Francis Sidelouskas, David Pressman, and Peter Cass) and New York guest directors (including Jose Quintero, Basil Langton, and Burgess Meredith). Patterned along the lines of drama schools at Yale and Carnegie Tech, B.U. gives high-quality, large scale training to all its students; new plays are often performed to encourage promising playwrights. The theatre is just off Mass. Ave. on Huntington; seat prices range from one to two dollars; shows are usually announced in the downtown papers.

Tradition And Intensive Theatre

Emerson is the best known theatre school in Boston. Founded in 1880, it now has some 175 students in all fields of drama, radio, television, and speech therapy. The drama staff is smaller than B.U.'s, but the school's graduates are well-rated in professional circles. Realizing that few will be able to earn a living in the professional theatre, (the average professional actor made about \$800 dollars last year), an attempt is made to give the student an active, intense taste of the theatre, working closely with fellow students, then allow him to choose his eventual career for himself. Like many drama students, Emerson grads often end up in public relations, advertising, or

sales work. The training they receive while at Emerson, however, has produced some fine student shows.

The faculty, headed by Gertrude Bindley Kay and Leo Nicols, has encouraged outside work by the students, who are often seen here with Tech Show and The Dramashop. Activity on campus centers around the Emerson College Theatre, located in one of the college buildings in the 100 block of Beacon Street, and New England Mutual Hall, where the musicals are given. Admission for all the shows except the musicals is free, but a fifty cent charge is made for reserved seats.



Christopher Fry's romantic comedy, "The Lady's Not For Burning", will be the last production of this season at the Tufts Arena Theatre. Performances by the Tufts Community Players will be May 11, 12, 17, 18, 19, and June 8 and 9.

Photo by Byron Blanchard

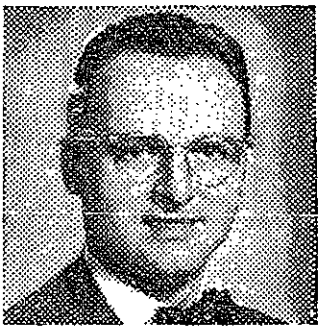


Rehearsal in progress for Emerson's "Wonderful Town", the Broadway musical having its last performance tonight at New England Mutual Hall. This run-thru took place in Emerson's own theatre; the cast includes most of the student body.

Photo by Byron Blanchard

Herschel Loomis asks:

What are my chances for advancement in a large company like Du Pont?



Herschel H. Loomis, Jr., will receive his B.S. degree in electrical engineering from Cornell University June 1957. Herschel is a member of the freshman and varsity rifle teams, an associate member of Octagon, a dramatic group, and belongs to Theta Chi Fraternity. Like many other students, he's making employment plans early.

Peter Meshkoff answers:

Peter J. Meshkoff joined Du Pont at the Jackson Laboratory in 1941, after obtaining a B.S.Ch.E. from the University of Detroit and an M.S. from the University of Michigan. He has had a wide range of Du Pont experience, from chemist in the Dye Works to chief supervisor and works engineer at several plants, with many opportunities to observe Du Pont personnel policies. Today Pete Meshkoff is works engineer at Du Pont's new Film Plant at Circleville, Ohio.

WANT TO KNOW MORE about the opportunities for growth touched on by Pete Meshkoff? Send for a free copy of "The Du Pont Company and the College Graduate," which discusses many of the employment policies and activities of Du Pont in detail. Write to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington 98, Delaware.



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY
WATCH "DU PONT CAVALCADE THEATER" ON TV

Your question is a natural one, Herschel—one we hear quite often. Du Pont is unquestionably a large company in total number of employees and in all its operations. But, actually, Du Pont is made up of ten independent departments, almost as if it were ten companies under one management. And it is a fundamental policy at Du Pont to promote from within and on merit only.

That produces many opportunities for new men, but in addition there are proportionately more promotions at Du Pont each year—by reason of expansion and retirement—than you would find in most smaller companies. I say "proportionately more" because Du Pont has grown at an average rate of seven per cent a year for the past 153 years—a record that few companies can match.

And Du Pont is still growing rapidly. Take your field, electrical engineering. A host of novel and challenging problems have to be faced, both in new construction and in maintenance. There are plants to design with features that have never been applied before; there are new equipment-control problems to work out, and new engineering processes to pioneer. So, to answer your question in a word, Herschel, I'd say your chances of promotion on merit are extremely good at Du Pont!

Theatre-In-The-Round

The most active single house in the Boston area is Tufts' Arena Theatre. Home for not one but three separate non-professional companies, it has been a pioneer in the field of arena staging. Tufts University's own Department of Speech and Drama, the undergraduate "Pen, Paint, and Pretzels", and the Tufts Community Players have been doing a combined total of ten to twelve shows a year for five years; the summer theatre, operating independently, does eight to ten plays during July and August.

Converted from a woman's gymnasium several years ago, the Arena is a model for many similar stages, and, for those unused to "theatre in the round", a truly amazing experience. With Tufts' Prof. Jack Woodruff as its mentor, the theatre engages in tremendous variety of almost consistently high quality. Tufts is accessible via MTA thru Harvard Square; ticket prices range from fifty cents to two dollars.



The Poets' Theatre Production of Cocteau's "Orpheus"
Photo courtesy Poets' Theatre

Poets' Theatre Experiments

The Poets' Theatre was formed in 1950 to encourage "poetic drama". Under this banner, the group has become our only truly "experimental" theatre: plays, styles of production, and acting technique are often quite different and sometimes very successful. Backed by some of the most prominent American poets, the Theatre has produced with considerable success Lyon Phelps' "The Gospel Witch", Mary Manning's adaptation of James Joyce's "Finnegan's Wake," and last winter's "Les Misanthrope" (in a verse translation which visited the Kresge Little Theatre). Most of the company are associated as students or faculty with Harvard, but many others are actors by evening and businessmen by day. The Theatre itself is very small, and it is well to make reservations. Shows are usually announced in the downtown papers, and a mailing list is maintained; tickets are from one to two dollars.

bush leaguer

Final Softball Playoffs To Start Monday; Track Meet Sunday

by Dave Savage '58

After a long and rainy season the softball finals will begin on Monday, May 14. There will be a double elimination tournament with nine teams competing.

Most of the league action has been completed and the league champions have been determined. In league 1 the chem department showed strong pitching and timely hitting in winning their league handily without a defeat.

League two action has Burton House A team and the Pi Lams tied for first place with identical 3-0 records. They will meet this afternoon to decide the league two title. Burton House B team led league three on Wednesday and played Theta Chi on Thursday. If they get by Theta Chi then they will take their league. However, if Theta Chi should pull an upset then the league would be thrown into a three way tie between Burton B, Theta Chi, and Lambda Chi Alpha.

On Wednesday TEP Club took the measure of the Sig Ep B team by a 5-2 margin giving them the top spot in league four. Murray Muraskin '58, looked fast but wild as he set the Sig Eps down. The big blow for the Sig Eps was a triple in the top of the seventh by Tom Grontkowski '58.

Betas Trounce Grad House

League Five was turned topsy-turvy on Wednesday when the Betas trounced previously undefeated Grad House B team 23-1. The Betas scored 14 runs in the first inning alone. Grad House could retire a man. Gordon Nutt '58 managed to control the Grad House bats without much trouble. This leaves Grad House with a 3-1 slate and the Betas with a 2-1 record. If the Betas can down Burton student staff in their next outing they will meet Grad House again for the league crown.

League six has finished with the Baker House A team going through four games without a loss. They have been impressive and have a well rounded attack with a strong three-man pitching staff.

League seven was thrown into a deadlock on Wednesday when Phi Mu Delta came out on top over the Meteorology Department by a score of 35-26. Pitching was not one of the strong points of the game as both a lack of control by the pitchers and a strong wind made it a hitter's holiday. Phi Delta Theta and Phi Mu Delta are now tied for the league lead and will play it off this afternoon.

Sig Ep Wins

Sigma Phi Epsilon's A team pulled out a close one over SAE to take the league eight title last Saturday. Sig Ep trailed all the way until they scored four runs in the sixth to tie it up. SAE got one run in the seventh but Sig Ep came back with two

to win the game and the title. Bev Goodison '57 showed good control as he went all the way for Sig Ep. Tom Comparato '56 did the hurling for SAE.

League nine was completely dominated by the Grad House A team. They combined strong hitting, solid fielding and excellent pitching by Bob Scutt and Rolando Quevedo.

Golf Scheduled

The intramural golf match is scheduled for tomorrow at the Sandy Burr golf club in Wayland. 24 teams are scheduled to tee off in the one-shot tournament starting at nine o'clock tomorrow morning. On Sunday the track meet which was postponed last week is again scheduled for one o'clock. In the sailing finals held last week the Delts came out on top with 84½ points to the second place Burton House sailors' 78 points. Following behind the top two were the Phi Gams, the Grad House A and the

Grad House B teams. The point spread between the top five teams was only ten points.

Tennis Continues

In the Tennis tourney the second round has started and should be finished by next Wednesday. There are now sixteen teams left in contention for the tennis crown. Winding up the Squash playoffs has the SAE squad taking first place. Following them very closely in second was Phi Sigma Kappa and the Number Six Club wound up in third place. Following them for the final places were Baker House and Sigma Nu.

Participation in Intramural sports at MIT has been extremely popular in the past year according to Intramural sports council. During the past year there have been approximately three thousand men participating in thirteen intramural sports.

Squash Dropped

At a meeting of the council held

last Tuesday night it was voted to drop Squash as an intramural sport for next year. The reasons cited were that there had been very little interest in the sport and that the forfeit rate had been much too high. In other action taken by the council Hockey was lowered from a major sport to a semi-major and volleyball was also a semi-major sport. The swimming meet has been moved from the spring to sometime in the fall when there is more time available.

Hockey is one of the growing activities at Tech and plans are being worked on to develop it more fully. One of the primary needs now is for a cover for the Hockey rink. This cover, whether it be a complete roof over the rink or just a canvas to cover the ice when it rains, is needed to keep the rink in top playing condition both for the varsity and the intramural activity. It would reduce the upkeep and increase the interest in

this, the newest of Tech's facilities. It is hoped that sometime in the future regulation hockey can be played on the intramural level, instead of the ball brand that is played in the past in the postponing of games.

There has been confusion in the past in the postponing of games. Some misunderstandings have resulted from miscommunications as to whether a game would be played or not. There is any doubt as to whether the contest will be run as scheduled or not the team managers should be in touch with the intramural manager of that particular sport.

Paid referees in all sports were also discussed in last Tuesday's council meeting. It was felt that doing this would result in both more reliable officiating and refereeing of better quality. The only hindrance behind such a move is the lack of funds. If the Institute would subsidize the intramural activities this might be possible.

What's doing at Pratt & Whitney Aircraft

Today's leadership . . . a
reflection of policies established
in aviation's infancy

Back in The Roaring Twenties, the magic dream pictured American families someday using the light personal airplane as freely as the family car. Among the realists, however, was a handful of men who were unshakable in their conviction that the real future of aviation lay with bigger aircraft, higher speeds, greater ranges—all possible only through engines of higher power and more reliability than those of that era.

In the spring of 1925, six of these men of vision founded a company in Hartford to undertake the development of a new aircraft engine—an air-cooled type. The year's end heralded their first success—Pratt & Whitney Aircraft's "Wasp".

This talented group of men continued to improve their powerplant designs, developing engines of steadily increasing power that operated efficiently and dependably. They contributed much to aviation's progress—so much so that currently three-quarters of the world's commercial airliners and many of our nation's first line military aircraft are P & W A-powered.

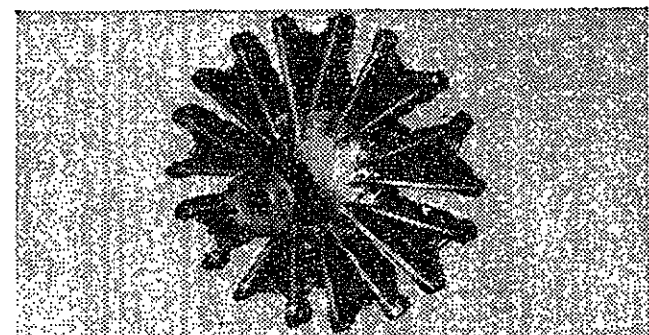
Today's P & W A powerplant designs are supported by the very finest research facilities and equipment, and a technical staff that is continually being strengthened. That nucleus of six men has grown into this very day, engineering achievement at Pratt & Whitney Aircraft is guided by its founders' simple policy . . . the best airplanes can be designed only around the best engines.



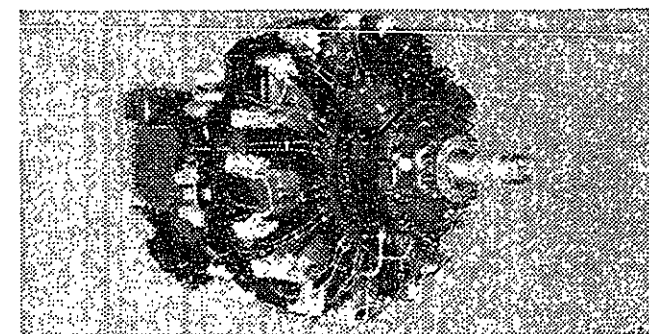
World's foremost
designer and builder
of aircraft engines

PRATT & WHITNEY AIRCRAFT

DIVISION OF UNITED AIRCRAFT CORPORATION
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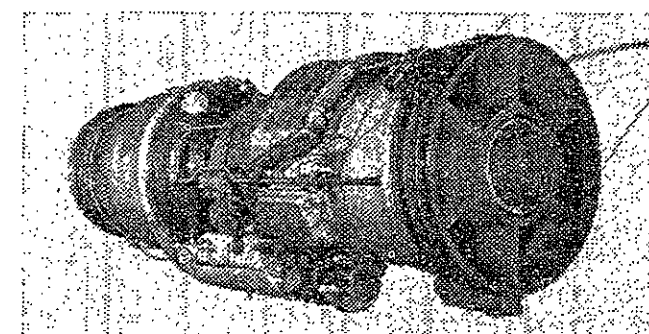
The Original Wasp, the first P & W A engine—designed, fabricated and assembled in less than seven months. Weighing under 650 pounds and officially rated at 410 horsepower, this lightweight, air-cooled radial engine was a milestone in aviation history and set the pattern for almost three decades of record-breaking advances.



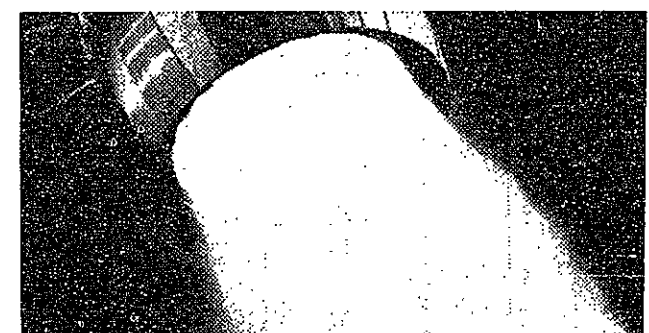
* The Double Wasp, an 18-cylinder, two-row piston engine rated at 2400 horsepower for basic use. Its rating increased by water injection to 3400 horsepower, the Double Wasp was instrumental in turning many a military crisis into an aerial victory in the decisive battles of World War II.



The Wasp Major, a 28-cylinder engine with pistons arranged in four rows of seven each and a 3800-horsepower rating. Its power and performance having never been equalled, the Wasp Major represents the apex of the art of building reciprocating engines.



The J-57 Turbojet, first jet engine in history to be officially rated in the 10,000-pound-thrust class. In quantity production since early 1953, the J-57 has continuously undergone progressive development. It gives every indication of having almost unlimited growth possibilities.



The Engines of Tomorrow, advanced jet, turboprop, and nuclear. Already in various stages of development, these aircraft engines of the future will further contribute to the long history of leadership that Pratt & Whitney Aircraft has established in the field of aviation.

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for that
weekend date . . .

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sophisticated
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Institute Reactor First In New England

(Continued from page 1)
After. Neutrons from the reactor can be used to "see" the arrangement of atoms and molecules in metals, insulators, and plastics, and thus help research worker to develop better materials.
Research in the effect of radiation on materials and chemical reactions. Plastics, for instance, can be made stronger and more heat resistant by bombarding them with slow neutrons. Studies of biological mutations. It is believed that the usefulness of plants and animals can be increased through the use of radiation.
Many other practical applications of radioactivity are possible, Dean Sterberg said, and scientific investigations will produce a greater understanding of the atom by making it possible to probe into the nucleus studies of its structure and the powerful force that holds it together.
The reactor building will consist of a cylindrical steel shell, 70 feet in diameter, with a steel dome rising 50 feet above street level. In the center of the building will be another structure, 15 feet high and 21 feet in diameter, with a shell of steel and lead

around a massive 600-ton block of concrete. Within this will be a wall made of blocks of graphite.
In the center will be a tank containing circulating "heavy water" and inside of this will be the 19 fuel elements, consisting of thin sheets of aluminum and uranium-235 alloy sheathed in aluminum and contained in aluminum tubes three inches square and two feet long. When positioned, this fuel will produce a nuclear reaction, giving off heat, atomic particles and radiations. The heat is carried away by the circulating heavy water. The particles are reflected back or absorbed by the walls of graphite, steel, concrete, and lead. Samples of materials can be inserted through the ports into the central region for exposure to radiation.
The 10,000 pounds of heavy water, valued at \$28 a pound, needed in the reactor will be loaned to MIT by the Atomic Energy Commission. The uranium fuel will also be supplied at no cost by the AEC under the policy recently established by President Eisenhower to make atomic materials available for scientific and educational purposes.

Three Wonderful Restaurants
BEST KNOWN IS
39 NEWBURY STREET
at 39 Newbury Street, next to Traynor's
THE ENGLISH ROOM
at 29 Newbury Street, next to Emmanuel Cl. rch
AND THE NEW ONE AT
260 BERKELEY STREET
corner of Commonwealth Avenue known as
The Frank and Marion Lawless
Wonderful home made Bread like your Grandmother made and delicious desserts
They are all owned and operated by Frank and Marion Lawless, who have the famous
Carriage House on Cape Cod in North Falmouth
OPEN SUNDAYS

Nine Loses To Harvard 11-7, Tufts 5-0; Crimson Overcomes Five Run Tech Lead

MIT's once flowery baseball season record was again deflated this week by successive defeats at the hands of Harvard and Tufts. The overall season's record now stands at 6-6, while the Techmen are 3-5 in the Greater Boston League.
In a game with Harvard, Monday at Briggs Field, MIT started fast by scoring five runs in the first inning but couldn't squelch a Cantab comeback in the late innings. The Harvardmen pushed six runs across in the eighth and one in the ninth to pocket the win, 11-7.
In MIT's big inning, John Sullivan '56 and Chuck Spear '57 led off

with walks and Ed Newhall '56 drove Sully home with a single. With one out and men on first and second successive walks to Walt Ackerlund '58 and Al Richman '57 accounted for one more run. Stu Ohlson '56 then slammed Tech's only extra base hit, a double banging in Newhall and Ackerlund. Richman scampered home when Harvard's left fielder bobbled the ball.
Harvard scored two in the third and the ball game went scoreless until the top of the eighth when Harvard scored six times.
The Cantabs scored once more in the top of the ninth on a double

preceded by a base on balls.
MIT nearly came back in the last half of the last frame, but the rally died prematurely when Larry Hallee '56 was tagged for the third out.
Hitting Fails
MIT forgot to take their hitting clothes with them to Tufts Wednesday and were shut out 5-0 on a five hitter thrown by Feinstein. Two of Tech's five hits were impressive doubles by Newhall and Ohlson, but the team could not put two hits together to produce any concrete results run-wise.
Beaver pitcher Dick Skavdahl '56 looked impressive in losing as he fanned five Tuftsmen while walking only two. Tufts capitalized on what few bases on balls they got plus stolen bases, sacrifice plays and a few opportune Tech errors to score. Tufts got to Skavdahl for only two extra base knocks, both doubles like Tech's.

Yearling Lacrossemen Top Tufts, 11-5; Victory Gives Freshmen 3-2 Record

In their real show of power this season, the yearling stickmen downed Tufts' freshman lacrosse team, 11-5, at Tufts last Wednesday. One factor contributing to Tech's victory was the sloppy and slow play of the Tufts' squad, who were not equal to other competitors that the frosh have met earlier this season.
The fifty niners took an early lead; scoring four goals in the first quarter. Tufts' stickmen passed two through the MIT goalie this period. At the half the Cardinal and Grey-men had gained a three point lead; the second quarter score being 6-3. The Tech crosse men held down Tufts

throughout the third quarter while successfully working two goals. In fourth quarter action Tufts added two to their tally, while the Techmen scored three times.
Jon Weisbuch scored 6 of the frosh goals. Frank O'Donnell and Al Hobart both put two through for the yearlings while Chuck Fitzgerald scored once.
This victory gives the Frosh lacrosse team a 3-2 season's record. After their powerful showing against Tufts, hopes are high of bettering the record in the last two games of the season to be played against Dean and Tabor Academy.

On Deck
Today:
Varsity Tennis—N.E.I.L.T.A. at Harvard
Varsity Golf—N.E.I.G.A.
Saturday:
Varsity Sailing—N. E. Championships
Freshman Sailing—Interscholastics at Medford
Varsity Baseball—Northeastern 4:00 p.m.
Freshman Baseball at Andover 2:00 p.m.
Varsity Track—Northeastern 2:00 p.m.
Freshman Track—Northeastern 2:00 p.m.
Varsity Golf—N.E.I.G.A.
Varsity Lacrosse at Stevens 3:45 p.m.
Lightweight Crew—EARC at Princeton
Heavyweight Crew—EARC at Washington
Sunday:
Varsity Sailing—N. E. Champ.
Spectacle—THE TECH vs. Voo Doo on Briggs Field 1:30 p.m.

What young people are doing at General Electric

Young ad man handles G-E jet and rocket engine advertising

The first jet engine ever to power an American plane was built by General Electric in 1942. Since 1948, G.E. has supplied the Air Force with over 30,000 of its famous J47 jet engines. And General Electric's jet experience soon will be paying additional new dividends to national defense. Its J79—called the most advanced engine of its type in the world—will soon enter production.

The man responsible for reporting G.E.'s jet and rocket engine progress to its customers and the public is Roy O. Stratton, Jr., 27-year-old account supervisor in the Company's Apparatus Advertising and Sales Promotion Department.

Stratton's Work Important, Interesting

Stratton supervises the planning and preparation of direct-mail promotion, brochures, films and presentations, as well as public-informational space advertisements for *Time*, *U.S. News & World Report*, *Business Week*, *Aviation Week*, and other magazines.

Considerable personal contact with the Armed Services makes Stratton's job an interesting one. Last year he traveled over 60,000 miles, visiting many of the country's Air Force bases to gather necessary information and pictures.

25,000 College Graduates at General Electric

When Stratton came to General Electric in 1952, he already knew the kind of work he wanted to do. Like each of our 25,000 college graduates, he is being given the chance to grow and realize his full potential. For General Electric has long believed this: when fresh young minds are given the freedom to develop, everybody benefits—the individual, the Company, and the country.

Educational Relations, General Electric Company, Schenectady 5, New York

Progress Is Our Most Important Product

GENERAL ELECTRIC

AFTER RECEIVING a B.A. in English from Brown University, Roy Stratton joined G.E. in 1952 in the Advertising and Public Relations Training Program. He worked as instruction-book editor and advertising copy writer before his current job.

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ARTHUR RANK PRESENTS
JACK HAWKINS TOUCH AND GO
HELEN KELLER IN HER STORY

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France's master of suspense

"DIABOLIQUE"

Important: During the entire engagement no one will be seated once the Feature has begun. Please observe the time schedule carefully.

Feature at 10; 12; 2; 4; 6; 10

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Ladykillers
Alec Guinness
"The Very Best Larceny"
New Kenmore at 6-0777

notices

NSA CONVENTION

More nominations for representatives to the National Student Association convention, to be held August 21 through 31st are needed. The meeting place will be the University of Chicago. Anyone interested should contact Ben Chertok '57, at East Campus.

'56 OR '57 GRADUATES!

If you are interested, or just curious, about obtaining a commission in the Navy and learning what the Navy has to offer you, contact Ed Bedrosinn, CE '55, at the Graduate House, Room 220A. He is a recent graduate of the Officer Candidate School and will be glad to chat with you at any time. If he is not in when you call, please leave a message.

BLOOD NEEDED

Allen Langord is in Massachusetts General Hospital with a ruptured kidney. He has had and will receive blood transfusions. Blood of any type is needed to replenish the supply. Anyone interested should contact Stanley Shapiro, East Campus.

SENIOR WEEK SALES

Final Senior Week sales will take place in Building 10 from 11 a.m. to 1 p.m. next week, May 14 to May 19. All outstanding options must be picked up at this time. There are tickets remaining for the stag banquet, mystery night, moonlight cruise, and commencement formal.

INTERNATIONAL STUDENTS' ARTS FESTIVAL

The International Students' Arts Festival entitled "Expressions", will end this weekend at the International Student Center at 33 Garden Street in Cambridge.

ORGAN

On Sunday, May 13, at 3:00 the MIT Baton Society will present Pierre Cochereau, organist of the Cathedral de Notre Dame de Paris, in the first recital on the new organ in Kresge Auditorium. The tickets can be obtained from Room 14-N236, MIT.

YALE BAND

WTBS has scheduled a complete broadcast of the Yale Concert Band's performance last Sunday at Kresge, including an interview with the Band's conductor. The broadcast will be Sunday, May 13, from 8:00 to 10:00 p.m. on the Music Notebook.

AWARDS CONVOCATION

Weather permitting, the annual Institute Awards Convocation will be held next Tuesday, May 15, in the Great Court from 10-11 a.m. All classes scheduled during this hour will be canceled. In the event of inclement weather the program will be moved to Kresge Auditorium.

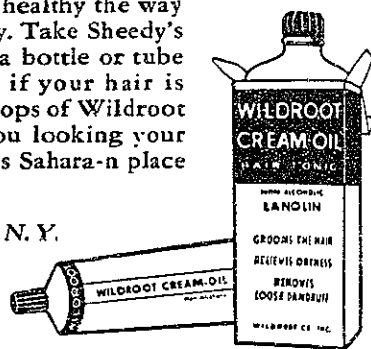
Girls Walked A Mile From J. Paul Sheedy* Till Wildroot Cream-Oil Gave Him Confidence



"Done anything tonight honey?" Sheedy asked his little desert flower. "Get lost!" she sheiked, "Your hair's too shaggy, Sheedy. Confidentially it sphinx!" Well, this was really insultan. So J. Paul got some Wildroot Cream-Oil. Now he's the picture of confidence because he *knows* his hair looks handsome and healthy the way Nature intended . . . neat but not greasy. Take Sheedy's advice. If you want to be popular, get a bottle or tube of Wildroot Cream-Oil. Nomad-der if your hair is straight or curly, thick or thin, a few drops of Wildroot Cream-Oil every morning will keep you looking your best. You'll agree Wildroot really keeps Sahara-n place all day long.

* of 131 So. Harris Hill Rd., Williamsville, N. Y.

Wildroot Cream-Oil
gives you confidence



'Virtue Of Work' For MIT Students Noted

On Tuesday evening Kresge Auditorium was the scene of a talk by the Honorable Robert H. Winters '34 on the contributions made to society by the working students of MIT.

The program began with brief addresses by Dr. Killian and Mr. Carlyle of the Student Personnel Department.

During his speech Mr. Winters stressed the oft-mentioned fact that society needs capable engineers. Mr. Winters, however, made the additional point that not only the fields of natural science, but because of the complexity of the current world situation, also those of political science, were in need of the analytical talents of the well-qualified engineer.

In conclusion, Mr. Winters said the MIT working student, having realized the "virtue of work", will, with his superior education, be able to make the most of the "unlimited horizons" before him.

BEER BALL

(Continued from page 1)

cher and "Hotrod" Friedman. Holloway banged out three long hits last year and led both teams in the more important drinking department. Friedman, who can hold his own with any man around, added two hits in two times up.

Promising rookies on the squad include "Sterling" Weymar, "Happy John" McElroy, "Big Dave" Packer, "Happe Bob" Bridgham, "Successful Stan" Shapiro, "Thirsty Tom" Bond, and "Gulping Glenn" Zeiders. "F. William" Daly will return as scorekeeper and will again drink on every decision.

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2. SUPERIOR FILTER

So quick on the draw! Yes, the flavor comes clean—through L&M's all white Miracle Tip. Pure white inside, pure white outside for cleaner, better smoking.



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